

Title (en)

Transmission line monitoring apparatus for use in a fire alarm system

Title (de)

Übertragungsleitung-Überwachungsvorrichtung zur Anwendung in einem Feuersalarmsystem

Title (fr)

Appareil de surveillance de ligne de transmission pour l'utilisation dans un système d'alarme d'incendie

Publication

**EP 0697684 B1 20000112 (EN)**

Application

**EP 95112571 A 19950810**

Priority

JP 19432194 A 19940818

Abstract (en)

[origin: EP0697684A1] A transmission line-monitoring apparatus which is able to detect the occurrence of a short circuit even when a line has a large resistance and also to speedily disconnect the short-circuited transmission line upon detection of a short circuit. When a short circuit occurs between branched transmission lines (52, 62) on the output side (82) of the apparatus, a short-circuit detection circuit contained in the transmission-line monitoring apparatus detects this short circuit so as to send a short-circuit detection signal to a line-disconnecting control circuit. Then, the control circuit is operated so as to cause a constant current circuit to interrupt the supply of a base current to a transistor, thereby disconnecting a short-circuited output (82, 92) branched transmission line from a corresponding input (52, 62) branched transmission line. <MATH>

IPC 1-7

**G08B 29/06**

IPC 8 full level

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CPC (source: EP US)

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Cited by

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**EP 0697684 A1 19960221**; **EP 0697684 B1 20000112**; AU 2853495 A 19960229; AU 676441 B2 19970306; CN 1118488 A 19960313; CN 1120456 C 20030903; DE 69514445 D1 20000217; DE 69514445 T2 20000706; JP 3382370 B2 20030304; JP H0863691 A 19960308; US 5754103 A 19980519

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